

# 2021 SUMMARY REPORT

## Commercial Seed Inspections



PLANT INDUSTRIES DIVISION

BUREAU OF FEED AND SEED

# **Missouri Department of Agriculture Mission Statement**

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To serve, promote, and protect the agricultural producers, processors, and consumers of Missouri's food, fuel, and fiber products.

## **FOREWORD**

The 2021 Seed Summary Report is intended to show the reliability of labelers in meeting their claims for seed quality. Inspections were random, with no intentional bias, for the purpose of providing a means of comparing each labeler's reliability in meeting claims. The greater the number of samples taken per labeler, the greater the probability that the consistency in meeting claims shown will represent the labeler's actual performance.

Stop sales are debited to the labeler if a discrepancy from the labeler's claim is found.

All inspections were performed to fulfill the regulatory responsibilities given by the Missouri Department of Agriculture by the Missouri Seed Law, Statute Sections 226.011 through 266.111 (RSMo 2000).

# INTRODUCTION

The Missouri Department of Agriculture, Plant Industries Division, Bureau of Feed and Seed, is pleased to publish the 2021 Seed Summary Report and Inspection Results.

In 2021, the bureau officially sampled and tested 2,452 lots of seed. As a result of seed failing to meet its labeled guarantees, 135 stop-sale orders were issued. This resulted in a compliance rate of 94.49 percent compared to 93.92 percent in 2020.

The Missouri Seed Control Laboratory tested 227 service samples in 2021. A total of 2,679 official and service samples were tested in 2021 resulting in a total of 4,126 individual tests performed.

All seed retailers are required to have their seed retested for germination every 10 months (counting the month the seed was retested.) Seed lots found to be out of test date will be placed on stop sale order until the seed has been retested and a new test date and germination rate is placed on the label or the seed is disposed of in an acceptable manner.

The Bureau of Feed and Seed offers many seed sampling and seed testing services. The charges for analysis and analytical reports on seed samples are listed in the Missouri Seed Law Rules 2CSR 70-35.050.

For more information concerning the services offered by the Bureau of Feed and Seed, contact the feed and seed inspector in your area or contact:

**Missouri Department of Agriculture  
Bureau of Feed & Seed  
P.O. Box 630  
Jefferson City, MO 65102**

**Email: FSTT@mda.mo.gov  
(573) 751-4310 Office; (573) 751-5500 Fax  
(573) 751-4340 Seed Laboratory**

**Or visit our Web site at <http://agriculture.mo.gov/plants/seed/>**

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BUREAU OF FEED AND SEED  
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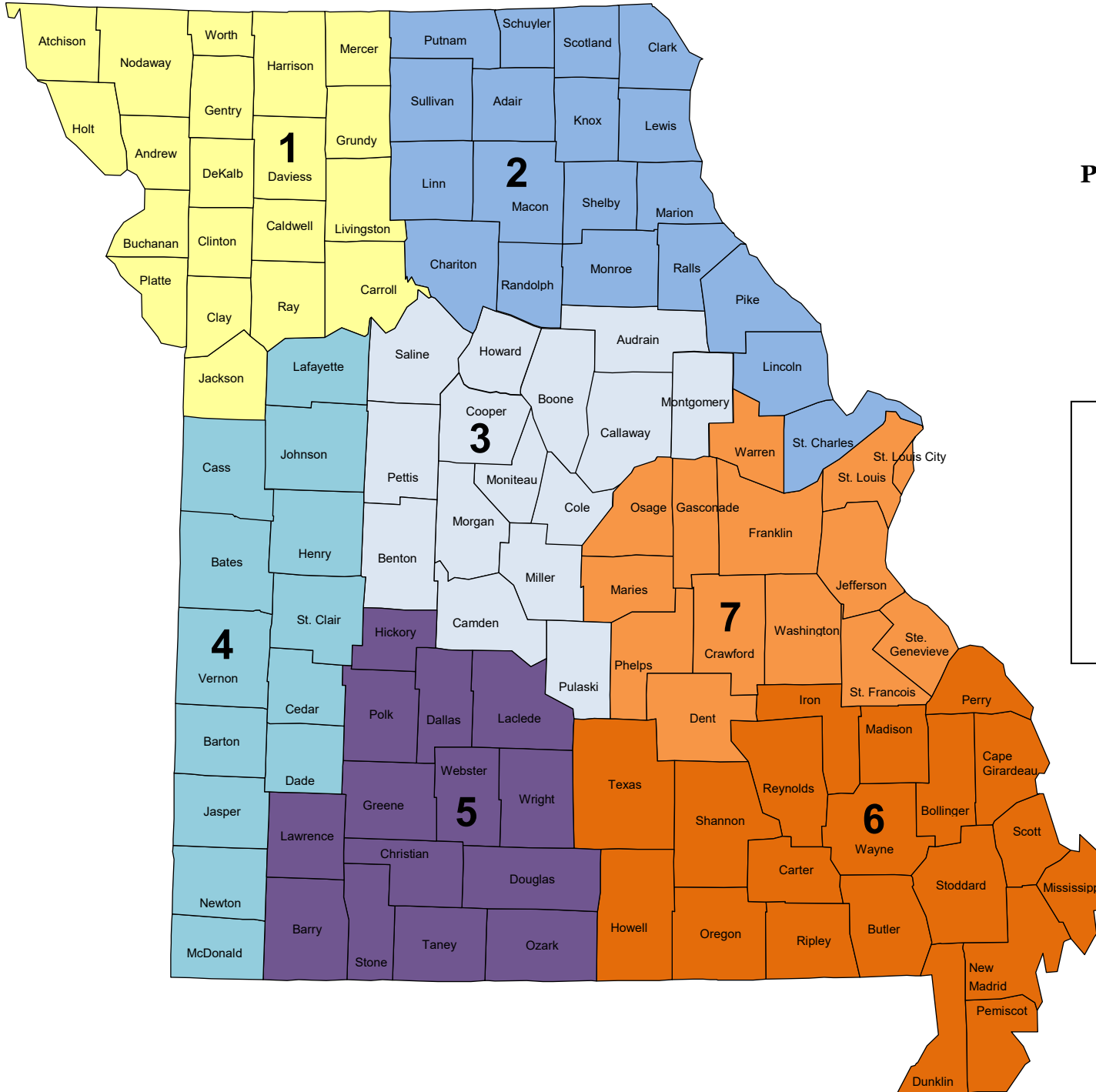
# Feed and Seed Inspectors

Missouri Department of Agriculture, P.O. Box 630, 1616 Missouri Boulevard, Jefferson City, MO 65102

**Plant Industries Division**  
**Director – Paul Bailey**  
**Program Manager – Stan Cook**  
**(573) 751-5501**

## Field Staff

	Doreen Mausbach
	Ken Disselhorst
	Aaron Baugh
	Samantha Wright
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	Jeremy Barron
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### SAMPLES ANALYZED FOR 2021

<b>OFFICIAL SAMPLES ANALYZED</b>			<b>2,452</b>
	<b>Germination</b>	<b>2,487</b>	
	<b>Noxious Weed</b>	<b>625</b>	
	<b>Purity</b>	<b>611</b>	
	<b>Sand</b>	<b>1</b>	
	<b>Tetrazolium (TZ)</b>	<b>0</b>	
	<b>Retests Performed</b>	<b>149</b>	
<b>TOTAL NUMBER OF LOTS IN VIOLATION</b>			<b>135</b>
<b>TOTAL OFFICIAL TESTS PERFORMED</b>			<b>3,872</b>
<b>COMPLIANCE RATE OF OFFICIAL SAMPLES ANALYZED</b>			<b>94.49 %</b>
<b>SERVICE SAMPLES ANALYZED</b>			<b>227</b>
	<b>Germination</b>	<b>164</b>	
	<b>Noxious Weed</b>	<b>74</b>	
	<b>Purity</b>	<b>16</b>	
	<b>Tetrazolium (TZ)</b>	<b>0</b>	
	<b>Retests Performed</b>	<b>0</b>	
<b>TOTAL SERVICE SAMPLE TESTS PERFORMED</b>			<b>254</b>
<b>TOTAL SAMPLES</b>			<b>2,679</b>
<b>TOTAL TESTS PERFORMED</b>			<b>4,126</b>
<b>SEED PERMITS ISSUED</b>			<b>3,877</b>

Information on samples, inspection of seeds, or service samples is available from the Bureau of Feed and Seed, 115 Constitution Drive, Jefferson City, Missouri, 65109 or by calling (573) 751-4310.

## **CRITERIA FOR OBTAINING A SERVICE SAMPLE**

Forward your seed in containers adequate to protect the sample.  
Without proper sampling technique, test will not reflect true quality of the seed.

### **Bulk lot seeds:**

Take a sample from several places.  
Mix the seed samples thoroughly.  
Make a composite sample.

### **Bagged lot seeds:**

Take sample from approximately 10 percent of the bags.  
Mix the seed samples thoroughly.  
Make a composite sample.

### **Size of sample needed for testing:**

TYPE OF SEED	SAMPLE SIZE
Large Seeds (corn, soybean, wheat, etc.)	Quart
Highly chaffy seeds (bromegrass, switchgrass, canarygrass, bluestem)	Quart
Small seeds (grass seed, legumes, clover, alfalfa, etc.)	Pint
Vegetable Seeds	200 seed minimum





STATE OF MISSOURI  
DEPARTMENT OF AGRICULTURE  
**SUBMITTING SEED SERVICE SAMPLES**

SEED CHARGES			
Purity Exam for one cultivar		\$24.00	
Purity Exam for more than one cultivar		\$36.00	
Purity Exam for seed samples with less than 90% seed		\$20.00 per hour	
Purity Exam for highly chaffy seed		\$20.00 per hour	
<b>NOTE: Uncleaned seed will be charged \$20.00 per hour for Purity Exam</b>			
Noxious/Prohibited Weed Exam		\$24.00	
Germination per cultivar (except highly chaffy seed)		\$24.00	
Germination - highly chaffy seed		\$28.00	
Endophyte from seed		\$40.00	
Tetrazolium (TZ) Test		\$50.00	
Complete Test (includes Purity, Noxious Exam and Germination)		\$72.00	
SAMPLE SIZE NEEDED			
Large seed such as corn, soybean, wheat, etc.		~ Quart	
Highly chaffy seeds such as brome grass, switchgrass, canarygrass, bluestem		~ Quart	
Small seed such as grass seed, legumes (clover), etc		~ Pint	
Vegetable seeds		200 seeds minimum	
<b>Complimentary, cost-free seed analysis for Missouri farmers and individuals submitting samples from June 1 thru August 31, and November 1 thru January 15 based on postmark. The seed can not be intended for resale; therefore, not subject to the labeling requirements of the law.</b>			
<b>MAIL SAMPLES TO</b>		<b>DELIVER SAMPLES TO</b>	
Missouri Department of Agriculture State Seed Control Laboratory PO Box 630 Jefferson City, MO 65102		Missouri Department of Agriculture State Seed Control Laboratory 115 Constitution Drive Jefferson City, MO 65109	
Contact Missouri State Seed Control Laboratory: 573-751-4340 (between 7am to 3:30pm Central Time)			
Additional forms can be obtained at <a href="http://www.agriculture.mo.gov">http://www.agriculture.mo.gov</a>			
PLEASE FILL THE BOTTOM PORTION AND SUBMIT WITH SAMPLE			
NAME OF THE SUBMITTING INDIVIDUAL (PLEASE PRINT)		USA PLANTS ID# (IF AVAILABLE)	
ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE NUMBER	EMAIL ADDRESS		
KIND OF SEED	LOT NUMBER	YEAR THE SEED WAS HARVESTED	
ANALYSIS REQUESTED (CHECK THE TEST(S) TO BE PERFORMED)			
<input type="checkbox"/> GERMINATION <input type="checkbox"/> PURITY EXAM <input type="checkbox"/> NOXIOUS/PROHIBITED WEED <input type="checkbox"/> OTHER (SPECIFY)			
LABORATORY USE ONLY			
DATE SAMPLE RECEIVED	SAMPLE LAB NUMBER	SAMPLE BILLED	



# SECTION ONE

					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>AGRIGOLD HYBRIDS, ST FRANCESVILLE (0022H1)</b>									
	Corn, Field	3	3	0	0	0	0	0	0
	Mixture	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	4	4	0	0	0	0	0	0
<b>AGRIHORIZON INC dba SEITEC GENETICS, FREMONT (00232C)</b>									
	Soybean	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	1	1	0	0	0	0	0	0
<b>AMERICOT INC, LUBBOCK (002KY1)</b>									
	Cotton	3	3	0	0	0	0	0	0
Compliance Rate:	100.0%	3	3	0	0	0	0	0	0
<b>Amturf Enterprises LLC., JEFFERSON (002398)</b>									
	Mixture	2	1	1	1	0	0	0	0
Compliance Rate:	50.0%	2	1	1	1	0	0	0	0
<b>ANDREWS FARM AND SEED INC, CARTHAGE (002APN)</b>									
	Soybean	30	30	0	0	0	0	0	0
Compliance Rate:	100.0%	30	30	0	0	0	0	0	0
<b>BACK TO THE ROOTS, OAKLAND (003JY9)</b>									
	Carrot	4	4	0	0	0	0	0	0
	Dill	1	1	0	0	0	0	0	0
	Lettuce	4	3	1	1	0	0	0	0
	Onion	1	1	0	0	0	0	0	0
	Parsley	1	1	0	0	0	0	0	0
Compliance Rate:	90.9%	11	10	1	1	0	0	0	0
<b>BARENBRUG USA, TANGENT (002ABQ)</b>									
	Mixture	13	10	3	1	0	0	1	1
Compliance Rate:	76.9%	13	10	3	1	0	0	1	1

					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>BASF CORPORATION, RESEARCH TRIANGLE PARK (0038FB)</b>									
	Cotton	3	3	0	0	0	0	0	0
	Soybean	19	19	0	0	0	0	0	0
Compliance Rate:	100.0%	22	22	0	0	0	0	0	0
<b>BAYER CROPSCIENCE, ST LOUIS (003B54)</b>									
	Soybean	259	259	0	0	0	0	0	0
Compliance Rate:	100.0%	259	259	0	0	0	0	0	0
<b>BAYER CROPSCIENCE LP, ST. LOUIS (001MJ9)</b>									
	Mixture	2	2	0	0	0	0	0	0
	Soybean	230	229	1	1	0	0	0	0
Compliance Rate:	99.6%	232	231	1	1	0	0	0	0
<b>BEACHNER SEED COMPANY, ST PAUL (0035VB)</b>									
	Mixture	2	1	1	0	0	1	0	0
	Ryegrass, Annual	1	1	0	0	0	0	0	0
Compliance Rate:	66.7%	3	2	1	0	0	1	0	0
<b>BECKS SUPERIOR HYBRIDS INC, ATLANTA (0022J8)</b>									
	Soybean	4	3	1	1	0	0	0	0
Compliance Rate:	75.0%	4	3	1	1	0	0	0	0
<b>BUCHHEIT INC - PERRYVILLE, PERRYVILLE (002240)</b>									
	Bluegrass, Kentucky	1	1	0	0	0	0	0	0
	Fescue, Red	1	1	0	0	0	0	0	0
	Fescue, Tall	1	0	1	0	1	0	0	0
	Mixture	1	0	1	1	0	0	0	0
Compliance Rate:	50.0%	4	2	2	1	1	0	0	0
<b>CACHE RIVER VALLEY, CASH (002AC2)</b>									
	Rice	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	1	1	0	0	0	0	0	0

				Type of Violation						
			Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
CENTRAL STATES WHOLESALE, PERRYVILLE (0027F8)										
			Ryegrass, Perennial	1	0	1	1	0	0	0
Compliance Rate:	0.0%		1	0	1	1	0	0	0	0
CHANNEL BIO LLC, ST LOUIS (0025AZ)										
			Corn, Field	1	1	0	0	0	0	0
			Soybean	60	60	0	0	0	0	0
Compliance Rate:	100.0%		61	61	0	0	0	0	0	0
COLUMBIA GRAIN, CLARKSTON (002ZJ3)										
			Pea, Field	1	1	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
CORTEVA AGRISCIENCE MCS LLC, JOHNSTON (003H1J)										
			Soybean	55	55	0	0	0	0	0
Compliance Rate:	100.0%		55	55	0	0	0	0	0	0
CROOKHAM COMPANY, CALDWELL (0022FW)										
			Corn, Sweet	2	2	0	0	0	0	0
Compliance Rate:	100.0%		2	2	0	0	0	0	0	0
DLF PICKSEED, HALSEY (002397)										
			Mixture	4	3	1	0	0	0	0
Compliance Rate:	75.0%		4	3	1	0	0	0	0	0
EAGLE SEED COMPANY, WEINER (00227Z)										
			Mixture	1	1	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
FOSTERS INC dba LIFETIME SEED CO, EAST PEORIA (0022H4)										
			Mixture	1	1	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0

					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>GRASS PAD WAREHOUSE, OLATHE (002AFW)</b>									
	Mixture	8	7	1	0	1	0	0	0
<b>Compliance Rate:</b>	<b>87.5%</b>	<b>8</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>GREEN SEED COMPANY, SPRINGFIELD (0023BA)</b>									
	Alfalfa	4	4	0	0	0	0	0	0
	Beet	1	1	0	0	0	0	0	0
	Beet, Sugar	1	1	0	0	0	0	0	0
	Bermudagrass	3	3	0	0	0	0	0	0
	Bluegrass, Kentucky	8	7	1	0	1	0	1	0
	Brome, Prairie	1	1	0	0	0	0	0	0
	Chicory	1	1	0	0	0	0	0	0
	Clover, Alsike	1	1	0	0	0	0	0	0
	Clover, Arrowleaf	2	2	0	0	0	0	0	0
	Clover, Balansa	3	3	0	0	0	0	0	0
	Clover, Berseem	1	1	0	0	0	0	0	0
	Clover, Crimson	4	4	0	0	0	0	0	0
	Clover, Ladino White	6	4	2	0	2	0	1	0
	Clover, Red	11	11	0	0	0	0	0	0
	Clover, Sweet Yellow	3	3	0	0	0	0	0	0
	Clover, White	5	4	1	0	0	0	0	0
	Collards	1	1	0	0	0	0	0	0
	Crabgrass	1	1	0	0	0	0	0	0
	Crown vetch	1	1	0	0	0	0	0	0
	Fescue, Chewings	3	3	0	0	0	0	0	0
	Fescue, Tall	38	34	4	0	4	0	0	2
	Kale	1	1	0	0	0	0	0	0
	Lespedeza, Korean	2	1	1	0	0	1	0	0
	Millet	1	1	0	0	0	0	0	0
	Millet, Browntop	1	0	1	1	0	0	0	0
	Millet, German Foxtail	1	1	0	0	0	0	0	0
	Millet, Japanese	3	3	0	0	0	0	0	0
	Millet, Pearl	1	1	0	0	0	0	0	0
	Mixture	19	12	7	3	3	0	1	0
	Mustard	2	2	0	0	0	0	0	0
	Oat	4	4	0	0	0	0	0	0
	Orchardgrass	9	9	0	0	0	0	0	0

					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>GREEN SEED COMPANY, SPRINGFIELD (0023BA) Continued</b>									
	Pea, Field	2	2	0	0	0	0	0	0
	Radish	3	3	0	0	0	0	0	0
	Radish, Forage	6	6	0	0	0	0	0	0
	Rape	3	3	0	0	0	0	0	0
	Rye	11	11	0	0	0	0	0	0
	Ryegrass, Annual	22	22	0	0	0	0	0	0
	Ryegrass, Perennial	11	10	1	0	1	0	0	0
	Sorghum	4	4	0	0	0	0	0	0
	Sorghum-Sudangrass Hybrid	6	6	0	0	0	0	0	0
	Soybean	1	1	0	0	0	0	0	0
	Spinach	1	1	0	0	0	0	0	0
	Squash	1	1	0	0	0	0	0	0
	Sunflower	2	1	1	1	0	0	0	0
	Timothy	1	1	0	0	0	0	0	0
	Triticale	2	2	0	0	0	0	0	0
	Turnip	5	5	0	0	0	0	0	0
	Vetch, Hairy	6	6	0	0	0	0	0	0
	Watermelon	2	2	0	0	0	0	0	0
	Wheat	14	14	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>92.3%</b>		<b>246</b>	<b>227</b>	<b>19</b>	<b>5</b>	<b>11</b>	<b>1</b>	<b>3</b>

<b>GREEN VALLEY SEED LLC, KAHOKA (0022XK)</b>									
	Oat	3	3	0	0	0	0	0	0
	Soybean	6	6	0	0	0	0	0	0
	Sunflower	1	1	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>		<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>GREENSPRO INC, HIGH RIDGE (002254)</b>									
	Mixture	1	1	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>		<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>GROWMARK, INC, BLOOMINGTON (002ADC)</b>									
	Soybean	7	7	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>		<b>7</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



					Type of Violation					
			Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
HEFTY SEED, BERTRAND (00023N)										
			Soybean	3	2	1	1	0	0	0
Compliance Rate:	66.7%		3	2	1	1	0	0	0	0
HORIZON AG LLC, MEMPHIS (0023FY)										
			Rice	3	3	0	0	0	0	0
Compliance Rate:	100.0%		3	3	0	0	0	0	0	0
INNVICTIS SEED SOLUTIONS LLC, BOISE (003GDJ)										
			Soybean	4	4	0	0	0	0	0
Compliance Rate:	100.0%		4	4	0	0	0	0	0	0
JONATHAN GREEN & SONS INC, FARMINGDALE (00233N)										
			Mixture	2	2	0	0	0	0	0
Compliance Rate:	100.0%		2	2	0	0	0	0	0	0
LATHROP FSG LLC, LATHROP (002ZA8)										
			Soybean	2	0	2	2	0	0	0
Compliance Rate:	0.0%		2	0	2	2	0	0	0	0
LESCO INC, CLEVELAND (002227)										
			Mixture	2	2	0	0	0	0	0
Compliance Rate:	100.0%		2	2	0	0	0	0	0	0
LG SEEDS, ELMWOOD (0022H2)										
			Soybean	1	1	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
LOVELAND PRODUCTS, GREELEY (00229G)										
			Rice	1	1	0	0	0	0	0
			Soybean	26	26	0	0	0	0	0
Compliance Rate:	100.0%		27	27	0	0	0	0	0	0

					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>MFA INC SEED DIVISION, COLUMBIA (0022B1)</b>									
	Clover, Red	2	2	0	0	0	0	0	0
	Soybean	8	7	1	1	0	0	0	0
	Wheat	10	10	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>95.0%</b>	<b>20</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>MFA SEED DISTRIBUTION CENTER, SEDALIA (0024JM)</b>									
	Alfalfa	2	2	0	0	0	0	0	0
	Bluegrass, Kentucky	1	1	0	0	0	0	0	0
	Buckwheat	1	1	0	0	0	0	0	0
	Clover, Ladino White	2	2	0	0	0	0	0	0
	Clover, Red	1	1	0	0	0	0	0	0
	Cowpea	1	1	0	0	0	0	0	0
	Fescue, Red	1	1	0	0	0	0	0	0
	Fescue, Tall	3	2	1	0	1	0	1	0
	Millet, German Foxtail	1	0	1	1	0	0	0	0
	Mixture	1	1	0	0	0	0	0	0
	Oat	1	1	0	0	0	0	0	0
	Ryegrass, Annual	1	1	0	0	0	0	0	0
	Soybean	1	1	0	0	0	0	0	0
	Timothy	1	1	0	0	0	0	0	0
	Trefoil, Birdsfoot	1	1	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>89.5%</b>	<b>19</b>	<b>17</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>

<b>MISSOURI DEPARTMENT OF AGRICULTURE, JEFFERSON CITY (0027MZ)</b>									
	Fescue, Tall	1	1	0	0	0	0	1	1
	Soybean	10	10	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

<b>MISSOURI SOUTHERN SEED, ROLLA (0024KK)</b>									
	Alfalfa	4	4	0	0	0	0	0	0
	Bluegrass, Kentucky	5	5	0	0	0	0	0	0
	Brome, Smooth	1	1	0	0	0	0	0	0
	Buckwheat	3	3	0	0	0	0	0	0
	Chicory	2	2	0	0	0	0	0	0

	Clover, Balansa	1	1	0	0	0	0	0	0
					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>MISSOURI SOUTHERN SEED, ROLLA (0024KK) Continued</b>									
	Clover, Berseem	1	1	0	0	0	0	0	0
	Clover, Crimson	5	5	0	0	0	0	0	0
	Clover, Ladino White	4	4	0	0	0	0	0	0
	Clover, Red	24	24	0	0	0	0	0	0
	Clover, White	3	3	0	0	0	0	0	0
	Collards	2	2	0	0	0	0	0	0
	Cowpea	1	1	0	0	0	0	0	0
	Egyptian Wheat	1	1	0	0	0	0	0	0
	Fescue, Red	1	1	0	0	0	0	0	0
	Fescue, Tall	35	32	3	1	1	0	0	1
	Festulolium	1	1	0	0	0	0	0	0
	Kale	2	2	0	0	0	0	0	0
	Lespedeza, Korean	3	3	0	0	0	0	0	0
	Millet, Browntop	1	1	0	0	0	0	0	0
	Millet, German Foxtail	1	1	0	0	0	0	0	0
	Millet, Japanese	1	1	0	0	0	0	0	0
	Millet, Pearl	1	1	0	0	0	0	0	0
	Mixture	29	28	1	0	0	0	0	0
	Oat	18	17	1	1	0	0	0	0
	Orchardgrass	14	12	2	0	2	0	0	0
	Pea, Field	7	7	0	0	0	0	0	0
	Radish	1	1	0	0	0	0	0	0
	Radish, Forage	2	2	0	0	0	0	0	0
	Rape	2	2	0	0	0	0	0	0
	Rye	19	18	1	1	0	0	0	0
	Ryegrass, Annual	7	7	0	0	0	0	0	0
	Ryegrass, Intermediate	8	8	0	0	0	0	0	0
	Ryegrass, Perennial	6	6	0	0	0	0	0	0
	Sorghum	9	9	0	0	0	0	0	0
	Sorghum-Sudangrass Hybrid	15	15	0	0	0	0	0	0
	Soybean	2	2	0	0	0	0	0	0
	Sunflower	1	1	0	0	0	0	0	0
	Sunn Hemp	1	1	0	0	0	0	0	0
	Timothy	5	5	0	0	0	0	0	0
	Trefoil, Birdsfoot	1	1	0	0	0	0	0	0

	Triticale	8	8	0	0	0	0	0	0
					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>MISSOURI SOUTHERN SEED, ROLLA (0024KK) Continued</b>									
	Turnip	3	3	0	0	0	0	0	0
	Turnip Rape	1	1	0	0	0	0	0	0
	Vetch, Hairy	2	2	0	0	0	0	0	0
	Wheat	17	17	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>97.2%</b>		<b>281</b>	<b>273</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>1</b>

<b>MONSANTO COMPANY, ST LOUIS (00221V)</b>									
	Corn, Field	1	1	0	0	0	0	0	0
	Cotton	3	3	0	0	0	0	0	0
	Mixture	1	1	0	0	0	0	0	0
	Soybean	3	3	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>		<b>8</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>MORGAN COUNTY SEEDS, BARNETT (00039X)</b>									
	Anise	1	1	0	0	0	0	0	0
	Basil	2	2	0	0	0	0	0	0
	Bean, Garden	3	3	0	0	0	0	0	0
	Beet	7	6	1	1	0	0	0	0
	Broadbean	1	1	0	0	0	0	0	0
	Broccoli	1	1	0	0	0	0	0	0
	Broomcorn	1	1	0	0	0	0	0	0
	Bush Green Bean	7	7	0	0	0	0	0	0
	Cabbage	2	2	0	0	0	0	0	0
	Cantaloupe	1	1	0	0	0	0	0	0
	Caraway	1	1	0	0	0	0	0	0
	Carrot	3	3	0	0	0	0	0	0
	Celery	1	1	0	0	0	0	0	0
	Chives, Garlic	1	1	0	0	0	0	0	0
	Cilantro	1	0	1	1	0	0	0	0
	Collards	3	3	0	0	0	0	0	0
	Corn, Field	3	1	2	2	0	0	0	0
	Corn, Ornamental	4	4	0	0	0	0	0	0
	Corn, Sweet	7	5	2	2	0	0	0	0

					Type of Violation				
					Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MORGAN COUNTY SEEDS, BARNETT (00039X) Continued									
	Cowpea	1	1	0	0	0	0	0	0
	Cress	1	1	0	0	0	0	0	0
	Cucumber	6	6	0	0	0	0	0	0
	Cumin	1	1	0	0	0	0	0	0
	Eggplant	3	2	1	1	0	0	0	0
	Endive	1	1	0	0	0	0	0	0
	Fava Bean	1	1	0	0	0	0	0	0
	Fennel	1	1	0	0	0	0	0	0
	Kale	1	1	0	0	0	0	0	0
	Lettuce	5	5	0	0	0	0	0	0
	Lima Bean	6	6	0	0	0	0	0	0
	Malabar Spinach	2	0	2	2	0	0	0	0
	Mustard	5	5	0	0	0	0	0	0
	New Zealand Spinach	1	1	0	0	0	0	0	0
	Okra	3	2	1	1	0	0	0	0
	Oriental Green	3	3	0	0	0	0	0	0
	Pakchoi	1	1	0	0	0	0	0	0
	Parsnip	1	1	0	0	0	0	0	0
	Pea	1	1	0	0	0	0	0	0
	Pea, Garden	8	8	0	0	0	0	0	0
	Peanut	1	1	0	0	0	0	0	0
	Pepper	1	1	0	0	0	0	0	0
	Pole Green Bean	3	3	0	0	0	0	0	0
	Popcorn	3	3	0	0	0	0	0	0
	Pumpkin	2	2	0	0	0	0	0	0
	Radish	7	7	0	0	0	0	0	0
	Shell Pea	3	3	0	0	0	0	0	0
	Snap Pea	2	2	0	0	0	0	0	0
	Snow Pea	2	2	0	0	0	0	0	0
	Squash	2	2	0	0	0	0	0	0
	Squash, Autum-Winter	3	3	0	0	0	0	0	0
	Squash, Hubbard	1	1	0	0	0	0	0	0
	Sunflower	1	1	0	0	0	0	0	0
	Sweet Corn	4	4	0	0	0	0	0	0
	Swiss Chard	4	4	0	0	0	0	0	0

		Turnip	5	5	0	0	0	0	0	0
						Type of Violation				
			Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MORGAN COUNTY SEEDS, BARNETT (00039X) Continued										
		Vetch	1	1	0	0	0	0	0	0
		Wax Bean	4	4	0	0	0	0	0	0
		Zucchini	2	2	0	0	0	0	0	0
Compliance Rate:	93.5%		153	143	10	10	0	0	0	0
NECO SEED FARMS INC, GARDEN CITY (0022Q1)										
		Soybean	17	6	11	11	0	0	0	0
Compliance Rate:	35.3%		17	6	11	11	0	0	0	0
NIXA HARDWARE AND SEED CO, NIXA (0022WP)										
		Buckwheat	1	1	0	0	0	0	0	0
		Cowpea	1	1	0	0	0	0	0	0
		Fescue, Hard	1	1	0	0	0	0	0	0
		Ryegrass, Annual	1	1	0	0	0	0	0	0
		Teff	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%		5	5	0	0	0	0	0	0
PENNINGTON SEED INC, GREENFIELD (002335)										
		Fescue, Tall	55	51	4	0	0	3	0	1
		Mixture	222	199	23	16	4	0	0	8
		Ryegrass, Annual	4	4	0	0	0	0	0	0
Compliance Rate:	90.4%		281	254	27	16	4	3	0	9
PERFORMANCE SEED, ST CLOUD (0022Y3)										
		Mixture	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
PETRUS SEED & GRAIN CO INC, HAZEN (002AC9)										
		Oat	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0

					Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>PIONEER HI-BRED INTERNATIONAL INC, JOHNSTON (00221B)</b>									
	Corn, Field	1	1	0	0	0	0	0	0
	Soybean	224	223	1	3	0	0	0	0
	Wheat	8	8	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>99.6%</b>	<b>233</b>	<b>232</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>PLANTATION PRODUCTS, NORTON (00221H)</b>									
	Basil	6	6	0	0	0	0	0	0
	Beet	11	11	0	0	0	0	0	0
	Broccoli	4	4	0	0	0	0	0	0
	Brussels-Sprouts	2	2	0	0	0	0	0	0
	Cabbage	2	2	0	0	0	0	0	0
	Carrot	23	23	0	0	0	0	0	0
	Celery	3	3	0	0	0	0	0	0
	Cilantro	1	1	0	0	0	0	0	0
	Collards	2	2	0	0	0	0	0	0
	Dill	4	4	0	0	0	0	0	0
	Endive	1	1	0	0	0	0	0	0
	Kale	11	9	2	2	0	0	0	0
	Kohlrabi	4	4	0	0	0	0	0	0
	Leek	1	1	0	0	0	0	0	0
	Lettuce	41	32	9	9	0	0	0	0
	Mesclun	3	3	0	0	0	0	0	0
	Mixture	1	1	0	0	1	0	0	0
	Mustard	1	1	0	0	0	0	0	0
	Onion	11	8	3	3	0	0	0	0
	Parsley	8	7	1	1	0	0	0	0
	Radish	19	19	0	0	0	0	0	0
	Rutabaga	1	1	0	0	0	0	0	0
	Spinach	9	9	0	0	0	0	0	0
	Swiss Chard	2	2	0	0	0	0	0	0
	Tomato	6	6	0	0	0	0	0	0
	Turnip	1	1	0	0	0	0	0	0
<b>Compliance Rate:</b>	<b>91.6%</b>	<b>178</b>	<b>163</b>	<b>15</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>





		Fescue, Tall	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
						Type of Violation				
			Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
STINE SEED COMPANY INC, ADEL (0022JZ)										
		Soybean	15	12	3	3	0	0	0	0
Compliance Rate:	80.0%		15	12	3	3	0	0	0	0
STODDARD COUNTY SEED SERVICE, DUDLEY (0025J6)										
		Soybean	3	3	0	0	0	0	0	0
		Wheat	2	2	0	0	0	0	0	0
Compliance Rate:	100.0%		5	5	0	0	0	0	0	0
STOKES SEED INC, HOLLAND (003P6V)										
		Onion	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
SYNGENTA SEEDS INC, MINNEAPOLIS (00221W)										
		Soybean	41	40	1	1	0	0	0	0
Compliance Rate:	97.6%		41	40	1	1	0	0	0	0
TANNER SEED CO LLC, BERNIE (0025HP)										
		Rice	2	2	0	0	0	0	0	0
Compliance Rate:	100.0%		2	2	0	0	0	0	0	0
TRI-STAR SEED COMPANY, SPRING HILL (0022N3)										
		Fescue, Tall	1	1	0	0	0	0	0	0
		Mixture	1	0	1	1	0	0	0	0
Compliance Rate:	50.0%		2	1	1	1	0	0	0	0
W ATLEE BURPEE CO dba BURPEE GARDEN PRODUCTS, WARMINSTER (002235)										
		Basil	2	2	0	0	0	0	0	0
		Beet	3	3	0	0	0	0	0	0
		Broccoli	2	2	0	0	0	0	0	0
		Cabbage, Chinese	1	1	0	0	0	0	0	0

	Carrot	15	15	0	0	0	0	0	0
	Catnip	1	1	0	0	0	0	0	0
	Cilantro	1	1	0	0	0	0	0	0
	Collards	1	1	0	0	0	0	0	0

					Type of Violation					
					Lots Inspected	Lots Passed	Lots In Violation	Germi-nation	Pure Seed	Noxious Weeds
W ATLEE BURPEE CO dba BURPEE GARDEN PRODUCTS, WARMINSTER (002235) Continued										
	Cucumber	1	1	0	0	0	0	0	0	
	Dill	2	2	0	0	0	0	0	0	
	Endive	1	1	0	0	0	0	0	0	
	Kale	3	3	0	0	0	0	0	0	
	Lettuce	19	17	2	2	0	0	0	0	
	Mesclun	6	6	0	0	0	0	0	0	
	Mustard	1	1	0	0	0	0	0	0	
	Onion	9	8	1	1	0	0	0	0	
	Parsley	5	5	0	0	0	0	0	0	
	Pea	1	1	0	0	0	0	0	0	
	Radish	5	5	0	0	0	0	0	0	
	Spinach	7	7	0	0	0	0	0	0	
	Swiss Chard	2	2	0	0	0	0	0	0	
	Tomato	2	2	0	0	0	0	0	0	
Compliance Rate:	96.7%		90	87	3	3	0	0	0	

WILD WEST SEED INC, ALBANY (002AKN)										
		Watermelon	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0

WILLCROSS SEED INC - GARDEN CITY, GARDEN CITY (002BCQ)										
		Soybean	2	0	2	2	0	0	0	0
Compliance Rate:	0.0%		2	0	2	2	0	0	0	0

Winfield Solutions LLC, St Paul (00222A)										
		Soybean	2	2	0	0	0	0	0	0
Compliance Rate:	100.0%		2	2	0	0	0	0	0	0

[illegible]

Compliance Rate:	100.0%		10	10	0		0	0	0	0	0
Overall Totals:			2452	2328	124		89	22	5	6	14



**Plant Industries Division  
Missouri Department of Agriculture  
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